



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Amin *et al.*

Confirmation Number: 2156

Serial No.: 09/839,636

Group Art Unit: 2826

Filed: April 20, 2001

Examiner: S.R. Wilson

For: QUANTUM BIT WITH A MULTI-  
TERMINAL JUNCTION AND  
LOOP WITH A PHASE SHIFT

Attorney Docket No.: 11090-035-999  
(formerly, M-8915-2C US)

**AMENDMENT UNDER 37 C.F.R. § 1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

In response to the Office Action mailed on October 3, 2003 in connection with the above-captioned patent application, please enter the following amendments and consider the following remarks. Applicants submit herewith (i) a Petition for Extension of Time extending the period for response from January 3, 2004 to and including February 3, 2004; (ii) Exhibit A, formal drawings for proposed Figs. 14 through 17; (iii) Exhibit B, evidence of Mohammad H.S. Amin, Timothy Duty, Alexander Omelyanchouk, Geordie Rose, Alexandre Zagoskin, Alexandre Blais, and Jeremy P Hilton's common duty to assign certain applications to D-Wave Systems, Inc.; (iv) Exhibit C, a copy of the United Provisional Application 60/257,624 filing receipt; (v) a power of attorney; and (vi) a copy of an assignment that was filed for recordation on even date herewith.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 14 of this paper.

**Amendments to the Drawings** begin on page 22 of this paper.

**Remarks** begin on page 23 of this paper.

An **Exhibit A** including a partial set of formal drawing figures is attached following page 30 of this paper.